```
Proslem 16.1
 a) 1110101.0110to
    1422204Nd
      1x26+1x2 + 1x24 + 0x 2 + 1x2 + 0x2 + 1x2 = 117
         0x2+1x2+1x2+0x2 = 0.375
                 1117.375 1
5) 11.01010101....
     3. 2 +2 +2 -6 +2 -6 +2 -10 = - /3.33 (
 c) No 2 x 16' + 10 x 160 = 90 32 + 10 = 42
                             5) 11 1114 1111 1×163+0×162+2×16 +3
· a) 1023 41/2 = 51/A
                                                  4131/2
         571/2 =
                                                  2065/2
                  127
        235/2 =
         127/2 =
         63/2 2
                 31
                                                          129
                                                  179/2 2
                                                               1
          31/2 =
                                                           64
          15/2 z
                                                   64/2
                                                           32
                  3
                                                           16
          712 2
                                                               Ø
                                                   82/2 Z
          3/2 =
                                                   11/2 =
                                                               O
           1/2 2
                                                   412 =
                                                               0
                                                               0
                                                    2/1 =
   Convert to Hex
```

## Problem 16.7

## Problem 10.8

- 4) Threat from Non

  A Do- Q A Q

  110
- 5) OR from NOR

c) OR from NAND

## Problem 16.9



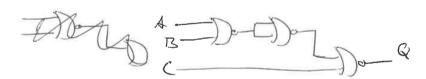
A	X
13	- Q
c	

A	B	X	<	(3)
0	0	0		0
0	(	0		0
1	0	0		6
1	1	1	ı	i
I	1	l	0	ಲ

5) 3 inpur OR from 2 inpur ORS



C) 3 input NOR from 2 input NOR



d) 3 mput BAND From 7 mput NAND

AND from NAND



